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Regulations for the construction of compressed-air self-help system in metal and nonmetal underground mine

金属非金属地下矿山压风自救系统建设规范

(English Translation)

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Foreword

ChinaStandards.net is in charge of this English translation. In case of any doubt about the English translation, the Chinese original shall be considered authoritative.

This standard is compulsory.

This standard is used for standardizing the installation, maintenance and management requirements of compressed-air self-help system in metal and nonmetal underground mine.

This standard was proposed by the State Administration of Work Safety.

This standard is under the jurisdiction of the Subcommittee on Non-coal Mine Safety of National Technical Committee on Safety Production of Standardization Administration of China (TC288/SC2).

This standard is issued for the first time.

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Regulations for the construction of compressed-air self-help system in metal and nonmetal underground mine

1 Scope

This standard specifies the installation, maintenance and management requirements of compressed-air self-help system in metal and nonmetal underground mine.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendment) applies.

GB 16423 *Safety regulations for metal and nonmetal mines*

3 Terms and definitions

3.1
compressed-air self-help system
system that provides fresh air flow underground when a mine disaster occurs, including air compressor, air supply pipeline, tee and valve, oil mist separator, compressed-air self-help equipment

3.2
compressed-air self-help equipment
device installed on the compressed-air pipe and providing fresh air to users through protective bags or masks, which has the functions of reducing pressure, throttling, eliminating noise, filtering, switching and so on

3.3
oil mist separator
device for separating oil droplets and moisture in compressed air

4 Construction requirements

4.1 The compressed-air self-help system shall be built and improved in metal and nonmetal underground mines according to the actual needs of safety and risk avoidance. The compressed-air self-help system may be shared with the production compressed-air system.

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